# McNamara Declaration Exhibit 7

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Page 1
     UNITED STATES DISTRICT COURT
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     SOUTHERN DISTRICT OF NEW YORK
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    HACHETTE BOOK GROUP, :
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    INC., HARPERCOLLINS :
    PUBLISHERS LLC, JOHN : Case No.
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    WILEY & SONS, INC., : 1:20-cv-04160-JGK-OTW
8
    and PENGUIN RANDOM :
    HOUSE LLC,
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          Plaintiffs, :
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    V.
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    INTERNET ARCHIVE and :
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    DOES 1 through 5, :
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    inclusive,
           Defendants. :
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                REMOTE ZOOM VIDEO 30(b)(6)
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                DEPOSITION PURSUANT TO NOTICE
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                      CHRIS FREELAND
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                     December 17, 2021
2.2
                         9:35 CST
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     Job No.: 4993446
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     Reported By: Cynthia J. Conforti
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Page 51 book outright -- I'm just trying to understand. 1 What do you mean by "purchase the book outright"? 3 How do you define that? A receipt, not a license. 4 5 So you -- you would only purchase a book, an eBook, if it was received with no conditions 6 7 placed on the use of that book; is that right? 8 MR. GRATZ: Objection to form. 9 THE WITNESS: We would purchase books, not 10 license books. 11 BY MS. MCNAMARA: 12 Okay. And by purchasing books, you 13 understand that to be a purchase without any 14 conditions on how those books could be used? 15 MR. GRATZ: Objection to form. 16 THE WITNESS: Yes. 17 BY MS. McNAMARA: 18 Thank you. Q 19 Now, you've made reference to the overlap 20 analysis. Can you tell me what that means? 21 When a library is interested in becoming a 2.2 partner with Open Libraries, we run an overlap 23 analysis that compares their physical holdings 24 with our digital holdings.

Q And what results from that comparison?

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Page 62

Q And do you know whether the libraries actually book-by-book verify that their physical holdings contain the works that are identified as matches?

A Can you -- can you ask the question again?

Q Yes, of course. And please do that if for some reason you don't understand the question.

I -- really, I want you to ask, so please do. So thank you.

So if I can restate it:

Do you -- when you say that libraries verify the match records that you provide to them, do you have an understanding as to what, if anything, the library does to verify the accuracy of those records?

A We depend on our partners for verifying the data.

Q So you don't place any requirements on them to -- to physically check that each of the books are -- exist in their -- in their system?

A No.

2.2

Q Has Internet Archive ever run an audit to review the physical copies at libraries to verify that the matches are accurate?

A At our partner libraries?

Page 64 1 Correct. So you're -- in effect you're relying on 2 3 the library to be -- that their records are accurate, aren't you? 4 5 Α Yes. When the Internet Archive determines using 6 7 the overlap analysis that a partner library 8 possesses a copy of a book of which IA already 9 possess as a scanned copy, does the 10 Internet Archive make a new scan of that book? 1 1 Α  $N \cap$ 12 So instead it just increases by one the 13 number of concurrent checkouts of that book that 14 would be allowed; is that right? 15 MR. GRATZ: Objection to form. 16 THE WITNESS: If the library agrees to put 17 its copy into controlled digital lending, then 18 yes, we increment by one. 19 BY MS. McNAMARA: 20 And has Internet Archive set any upper 21 limit to the number of copies available for 2.2 concurrent lending via the Open Libraries or 23 archive.org? 2.4 MR. GRATZ: Objection to form. 25 THE WITNESS: No.

Page 65 1 BY MS. McNAMARA: O So if I'm understanding, under controlled 3 digital lending, if a hundred partner libraries possessed a copy of the same book, the 4 5 Internet Archive would be able to lend a hundred 6 copies of that book simultaneously; is that right? 7 If all of the libraries put one copy into 8 controlled digital lending, then in that example, 9 there would be a hundred copies. 10 Q And you could -- it would be the same 11 answer if there were a thousand libraries that had 12 the same book and put them into controlled digital 13 lending; is that right? 14 If all of the partners put their copies 15 in, yes. 16 Is there anything in the partner library 17 agreement that would limit how many concurrent 18 copies could be -- could be lent? 19 MR. GRATZ: Objection to form. 20 THE WITNESS: There is nothing in the 21 partner agreement to that effect. 2.2 BY MS. McNAMARA: 23 And as you understand the concept of 24 controlled digital lending, does it place any 25 upper limit on the number of concurrent copies

Page 66 that could be lent at one time? 1 A Not to my knowledge. 3 MR. GRATZ: I -- sorry. I had an objection to form to the prior -- to the prior 4 5 question. 6 MS. McNAMARA: Sure. 7 BY MS. McNAMARA: 8 Q Do you have an understanding as to what 9 the goal or purposes are for implementing the 10 overlap analysis? 11 The purpose of the overlap is to let our 12 partners know what of our digital collection is 13 available that matches their print collection. 14 Q And via the overlap analysis and the 15 participation of partner libraries in Open 16 Library, does this increase the number of people 17 who can view a title -- a given title at one time? 18 If the library opts to move their 19 collection into -- the matched records into 20 controlled digital lending, then it would give us 21 an additional copy to lend. 2.2 Q And Internet Archive is -- those copies 23 are available to lend without Internet Archive 24 having to incur the cost associated with scanning? 2.5 A Correct.

Page 67 1 Q Is the overlap analysis conducted by Internet Archive, is it specific to works that are 3 in copyright? Yes. 4 Α 5 As a result of the Internet Archive 6 implementing the overlap analysis have wait lists 7 been reduced on Open Library? 8 A Yes, for certain titles. 9 And presumably, the more books 10 Internet Archive has been able to obtain and scan, 11 the greater likelihood there would be matches in 12 the overlap analysis with potential partner 13 libraries; isn't that right? 14 A Yes. 15 And so does the overlap analysis to some 16 degree work in tandem with the book pipeline that 17 is operated by BetterWorldBooks? 18 MR. GRATZ: Objection to form. 19 THE WITNESS: No, they're independent 20 processes. 2.1 BY MS. McNAMARA: 2.2 Q But, in fact, there is a book pipeline 23 that the BetterWorldBooks provides more and more 2.4 books to Internet Archive for scanning; isn't that 25 right?

Page 71 1 Q Were you at the 2020 Library Leaders Forum? 3 A Yes. I've seen quoted from materials there that 4 5 Brewster Kahle had indicated that 81 libraries had 6 signed on to Open Library and that 2.8 million 7 copies have been added to Open Library through 8 your participation. Do those numbers sound 9 correct to you? 10 Α Yes. 11 And do you know whether those numbers have 12 changed since that presentation in 2020? 13 MR. GRATZ: Objection to form. 14 THE WITNESS: Have the numbers changed since 2020? Yes. 15 16 BY MS. MCNAMARA: 17 Q Have they increased? 18 A Yes. 19 Do you know approximately how many copies 20 of books have been added -- if not 2.8 million, 21 what the number of copies of books that have been 2.2 added to the Open Libraries project? 23 I don't know what our current number is. 2.4 But it's in excess of 2.8 million? Q 25 A I believe so, yes.

Page 85 priority, if it does? 1 I'm not clear on the question. 3 What, if anything, does the Internet Archive do to make sure that the books 4 5 they add to the Open Libraries projects are not 6 yet available in digital form? 7 MR. GRATZ: Objection, misstates the 8 content of the document. Objection to form. 9 THE WITNESS: We don't. 10 BY MS. McNAMARA: So it's correct that Internet Archive does 1 1 12 not only add books that are not available in 13 digital form; isn't that right? 14 I'm unclear with the phrasing. 15 Yes, I was double negative, so it's not 16 surprising you were unclear with it. 17 Does Internet Archive limit books -- when 18 they're adding books to the Open Libraries 19 project, do they only add books that are not 20 available in digital form? 21 Α No. So they add books that are in fact 2.2 23 available for purchase commercially or to license to libraries; isn't that right? 24 25 Yes.

Page 92 1 that? MR. GRATZ: Object -- I'm sorry. 3 Objection, vague in its use of the term "users of a particular library" and "their library." 4 5 THE WITNESS: Can you restate the 6 question? 7 BY MS. McNAMARA: 8 Q Yes. Let me try to be very specific. 9 So, if, for example, the Internet Archive 10 possessed one copy of Catcher in the Rye that it 11 scanned and made available via the lending library 12 and then a partner library possessed two copies of 13 Catcher in the Rye that were added to the lending 14 library through the overlap analysis, there would 15 now be three copies of Catcher in the Rye 16 available to be borrowed by Internet Archive users 17 concurrently; is that right? 18 We would only add one copy from a partner 19 library --20 Q Okay. 21 A -- for example. 2.2 Okay. So thank you. So let's refine the 23 exam- -- the example. 24 If the Internet Archive possessed one copy 25 of Catcher in the Rye and then the partner -- a

Page 93 1 partner library had one copy, one copy was added from its system, and then another partner library 3 added a third copy to the Open Library system, there would be available for concurrent borrowing 4 5 from Internet Archive users of three copies; is 6 that right? 7 A Correct. 8 Q And so if the first library in this 9 example only physically owned one copy, patrons of 10 that library could nonetheless go to the 11 Internet Archive -- two or more patrons of that 12 library could go to Internet Archive and check out 13 the book; is that right? 14 If there were available copies, yes. 15 And this would be true even though the 16 partner library in the example only physically 17 owned one copy; is that right? 18 Α Yes. 19 How does that comport with the basic 20 principle of owned-to-loan under the controlled 21 digital lending? 2.2 MR. GRATZ: Objection to form. 23 You can answer. 2.4 THE WITNESS: In your -- in your example 25 there were three copies, so one from the

Page 94 1 Internet Archive and two from partner libraries, 2 so there would be three physical copies and 3 three -- the possibility of three digital concurrent loans. 4 5 BY MS. McNAMARA: 6 Right. But the partner library only 7 physically owns one copy, yet their patrons are 8 able to check out more than one -- well, more than 9 one copy of that book at a time; is that correct? 10 MR. GRATZ: Objection to form. 11 THE WITNESS: There are three copies, 12 three digital copies that could be on a concurrent 13 loan. 14 BY MS. McNAMARA: 15 Q Okay. Thank you. 16 Now, in that same sentence I had read to 17 you that began with "leveraging" --18 Α Yes. 19 -- it indicates that Internet Archive 20 seeks to honor or honoring the rights of creators 21 using digital rights management software. 2.2 Do you see that? 23 Yes. Α 24 Does the Internet Archive honor the rights 25 of creators in any other way other than putting on

Page 96 expect that some portion of those license fees are 1 2 paid to authors? 3 MR. GRATZ: Same objection. THE WITNESS: I'm not clear on 4 5 compensation structures. BY MS. McNAMARA: 6 7 Q And you're not clear on compensation 8 structures because Internet Archive does not pay 9 license fees in order to obtain digital copies of 10 books; isn't that right? 11 MR. GRATZ: Objection to the question 12 asked as compound and to form. 13 You can answer. 14 THE WITNESS: We don't license materials. 15 We purchase books outright when provided. 16 BY MS. MCNAMARA: 17 Q So Internet Archive does not pay license 18 fees to obtain digital copies of books, correct? 19 MR. GRATZ: Objection to form. 20 THE WITNESS: Correct. 2.1 BY MS. McNAMARA: Q Are you aware that authors are paid 2.2 23 royalties when commercial sales of their books are 24 made via Amazon or some other outlet? 25 MR. GRATZ: Objection to form.

Page 98 1 question. BY MS. McNAMARA: 3 Well, when the Internet Archive acquires books that are then made available to users on the 4 5 Open Libraries forum, the user can read that book, can download it, can open it on the platform, but 6 7 they are -- the book is disseminated to the reader 8 is my question. 9 MR. GRATZ: Objection, compound, vaque. 10 THE WITNESS: Yes, we make books available 11 for lending on archive.org. 12 BY MS. McNAMARA: 13 Q And does Internet Archive pay royalties in 14 connection with the digitization of their work? 15 Α No. 16 Q Does the Internet Archive pay authors 17 royalties for making their books available for free on their website? 18 19 MR. GRATZ: Objection to form. 20 THE WITNESS: No. 2.1 BY MS. McNAMARA: 2.2 Q Wouldn't it honor the rights of creators 23 more to pay them for making their eBook versions 24 available? 25 MR. GRATZ: Objection to form.

Page 105 1 BY MS. McNAMARA: Do you see where it indicates that the 3 library shares its catalog of books with the number of copies of each book with the 4 5 Internet Archive? And then the Internet Archive allows one 6 7 additional user to check out the digital version 8 of any book that overlaps with what Internet Archive has already digitized. Right? 9 10 MR. GRATZ: Objection to form. 11 THE WITNESS: Yes. 12 BY MS. McNAMARA: 13 0 The first sentence is: 14 The library will share their catalog of 15 books with the number of copies of each book with 16 Internet Archive. 17 A Yes. 18 And then it says: This will be updated 19 quarterly. 20 Do you see that? 21 Yes. Α Does Internet Archive actually engage in 2.2 Q 23 quarterly updates of all its library partners? 2.4 Α We are doing monthly updates now. 25 From the time this was originally

Page 106 implemented in -- well, I think we've established 1 this was started around 2017, the overlap 3 analysis? Yes. 4 Α 5 In the first years that the Internet Archive engaged in this overlap analysis 6 7 and this project, did they do quarterly updates? 8 I'm not sure of the frequency of the updates in the early years of the program. 9 10 Q Did they -- I'm -- did they require 11 updates at a specific time frame? And by "they" I 12 mean, Internet Archive. 13 Δ No. 14 And sometimes Internet Archive did annual 15 updates; isn't that right? 16 A Yes. 17 And it -- that would depend upon the 18 library's preference; isn't that correct? 19 Yes. A 20 Were there any libraries that no updates 21 were ever done once they signed on for the 2.2 program? 23 No. Α 2.4 So there was some update done over some period of time dependent upon the library's 25

Page 107 preference for each of the partners? 1 Α Yes. 3 When Internet Archive receives an updated catalog from a library partner, what does it do? 4 5 We reprocess their overlap. And do you -- if there -- if certain books 6 7 have been weeded out or no longer owned by the 8 library, do you reduce the number of concurrent 9 loans available by one? 10 Α Yes. 11 And are there employees who are 12 responsible for that? 13 A Employees where? 14 At the Internet Archive. 15 Α I'm not clear on the question. 16 Is there a particular person or somebody 17 who is responsible for reviewing the updated 18 catalog and ensuring that the concurrent user 19 number is correct? 20 Again, we rely on our libraries for that. 21 So what about, let's say in years -- the 2.2 first two or three years -- well, strike that. 23 Let me ask you a question. 2.4 When did Internet Archive move to monthly 25 updates with their partner libraries?

Page 108 1 I believe that was last fall. So the fall of 2020 -- 2021? I'm sorry. Q A Fall of 2020. 3 Fall of 2020, okay. 4 5 So prior to the fall of 2020, when 6 Internet Archive was conducting updates either 7 quarterly or annually based upon a library's 8 preference, what about the period between the original overlap analysis and the update? 10 would Internet Archive have any way to know if the 11 library had discarded a book? 12 A During that time? O Yes. 13 14 A No. 15 So it could be possible that 16 Internet Archive included a book in its concurrent 17 user numbers based upon the supposition or 18 understanding that a library actually physically 19 owned a book, but in fact that library could have 20 weeded it out, that same book, the week after you 21 had done the original overlap analysis; isn't that 2.2 right? 23 MR. GRATZ: Objection, incomplete 24 hypothetical, form. 25 You can answer.

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THE WITNESS: It's unlikely. We've asked our partners if they did major weeding projects to send us updated holdings.

### BY MS. McNAMARA:

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- Q And that was something that you asked them back in 2017?
  - A Yes.
- Q And did -- has any library, to your knowledge, provided the Internet Archive with an update concerning weeding projects by them voluntarily, not through the auditing process or updating process?
  - A I'm not sure.
- Q In the time that you've been the director of Open Libraries, have you received an update analysis from a library that was not the result of the quarterly or annual update?
- MR. GRATZ: Objection, misstates the witness's previous testimony, vague.
- THE WITNESS: I'm not clear on the question.
- 22 BY MS. McNAMARA:
- Q What I'm trying to understand is,

  Internet Archive, you know, until last fall,

  conducted either quarterly or annual updates of

Page 114 1 A I don't have a count, no. Do you have a sense whether it's 3 10 percent of the 81 or some other percentage? No, I don't. 4 Α 5 Do you know whether that's an unusual parameter? 6 7 Α I don't know. 8 Q Wouldn't that be something you should know 9 or be aware of given the importance of the 10 one-to-one ratio in controlled digital lending, 11 that you would want to know whether libraries have 12 the books on offsite storage or whether they're 13 still on the shelves in the library? 14 MR. GRATZ: Objection to form. THE WITNESS: We don't know where 15 16 libraries store their books. 17 BY MS. McNAMARA: 18 And you don't do anything to require them 19 to store them in one way or another, do you? 20 No, that's a local library decision. 2.1 Q And that is the policy of Internet Archive 2.2 that what -- how libraries comply with the 23 requirements of controlled digital lending is a 24 local library decision; isn't that right? 2.5 Yes.

Page 117 multiple users at a time; isn't that right? 1 A Correct, within the owned-to-loan ratio. 3 Looking again at Exhibit 274, it indicates 4 that: 5 The Internet Archive will offer online 6 access to statistics as to how many books were 7 borrowed each month in their state or country. 8 Do you see that? 9 Α Yes. 10 Does the Internet Archive provide those 11 statistics to the partners? 12 We have usage statistics that show where 13 geographically users are coming to when they visit 14 the partner library's collection. 15 Q Tell me about those geographic statistics. 16 So it's state- or country-level access. 17 It's not more granular than state or 18 country? 19 No. Α 20 So you wouldn't know whether someone was 21 coming to check out the book -- in the state of 2.2 New York, you would not know whether they were 23 coming from New York City or coming from some small town in Upstate New York? 24 2.5 A Correct.

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in the e-mail, Jeff Kaplan has responded back that all items and collections have been removed.

BY MS. McNAMARA:

2.2

Q And so you did nothing further to make sure that those titles remained off the system; is that right?

A Correct.

Q Okay. Turning back to the one-to-one ratio which, A, you've been designated; and, B, I think we've established is central to controlled digital lending.

Let me ask you, Mr. Freeland, it is true that under controlled digital lending a library may only lend a digital copy of a book if it has a corresponding physical copy of that book that is not simultaneously checked out; isn't that correct?

A Not exclusively. If the library has the permission of the rights holder, then the library doesn't have to have the physical copy.

Q Okay. Setting aside that the library has the permission of the rights holder, otherwise if it does not have permission of the rights holder, then central to the one-to-one concept is that a physical copy and a digital copy cannot be checked

Page 165 out at the same time? 1 MR. GRATZ: Objection to form. 3 You can answer. THE WITNESS: Correct. 4 5 BY MS. McNAMARA: Q You said if -- if the partner library has 6 7 the permission of the rights holder, tell me about 8 that. Do some partner libraries have permissions of the rights holders? 10 MR. GRATZ: Objection, misstates the 11 witness's previous testimony. 12 THE WITNESS: Not the library, the 13 publisher. BY MS. McNAMARA: 14 15 I see. We're talking here -- I'm now 16 moving to partner libraries. I've changed 17 direction. I apologize if that wasn't clear. 18 I'm not talking about the partner presses, 19 the partner publishers. 20 I'm talking about partner libraries in the 21 Open Libraries program. 2.2 A Can you restate the question? 23 Q Well, I didn't ask you a question yet. I 24 was just -- I was just making it clear, because I think your answer to the last question assumed we 25

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were talking about partner publishers.

I'm now talking about -- this line of questions I'm going to ask you from here on out are dealing with partner libraries in the Open Libraries program, okay?

A Understood.

2.2

Q And so I believe that it is -- as we've established, it's central to the controlled digital lending that a physical copy cannot be checked out at the same time as a digital copy, correct?

A Correct.

Q And so is there -- and I know I've talked -- I've asked you questions, and I'm not going to repeat them about what obligations, if any, Internet Archive places on partner libraries concerning how they maintain physical copies, but I don't believe I asked you whether Internet Archive has implemented any technology so that it is aware if a partner library checks out a book.

A Is there a question?

Q Yes. Does the Internet -- has the

Internet Archive implemented any technology so

that it is automatically aware that a partner

library has checked out a book that is covered by

Page 167 1 the one-to-one ratio? A No. 3 Q And are you aware that some libraries in fact do not limit the circulation of the books 4 5 that are available on Open Library? 6 A Not to my knowledge. 7 Q Let's look at what's been previously marked as Plaintiffs' Exhibit 261. 8 9 MR. MAZUREK: Put that up right now. That 10 should be in your folders. (Plaintiffs' Exhibit 261 is introduced for 11 12 the record.) 13 BY MS. McNAMARA: 14 O Mr. Freeland, this is what's been marked as Plaintiffs' Exhibit 261. It's an e-mail chain 15 16 between you, a Kevin French, copying Lauri 17 McIntosh dated August 26th and August 23, 2019. 18 A Yes, I have that. 19 Okay. First of all, who is Lauri 20 McIntosh? 21 A Lauri McIntosh is a program director at 22 Zepheira. 23 Q And we've previously identified that 24 Zepheira has a relationship with Internet Archive; 25 is that right?

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A There are a number of reference collections. Some are on the floor, some are held behind a desk, some are in offsite storage.

There's a variety of ways a collection can be a noncirculating reference collection.

Q When the noncirculating reference collection is on the floor, could a visitor to the library look at the book?

MR. GRATZ: Objection to form.

THE WITNESS: Yes.

## BY MS. McNAMARA:

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Q And they could take that book to a library table and read it for whatever period of time they stayed in the library; is that right?

A Again, that would depend on local policies and procedures.

Q I'm not asking about all libraries. I'm asking about your time at the Washington Library where you said you had some noncirculating reference collections, that some were on the floor.

So if the books were on the floor, a patron of the library who was physically there could take that book off the shelf, bring it to a table and read it; isn't that right?

Page 172

A Yes.

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Q And if a partner library had a similar noncirculating reference collection, then a reader -- then a patron at that library could be reading the book at the same time that book was checked out from archive.org; isn't that right?

MR. GRATZ: Objection to form.

THE WITNESS: Possibly. Again, it would depend on what does "circulating" mean in the local library's context.

### BY MS. McNAMARA:

Q But if they allow patrons -- if the book was on the shelf and the patrons would take a book off the shelf and go to a library table and start to read it, Internet Archive would have no way of knowing that was happening, would it?

MR. GRATZ: Objection to form.

THE WITNESS: Correct.

# BY MS. McNAMARA:

Q Now, going on in this e-mail,

Mr. Freeland, you go on to write:

Other libraries are taking the approach that they don't need to suppress circulation because the likelihood is slim that all of our digital copies and all of the physical copies

Page 174 Is that correct? 1 A Correct. So you would have no -- not you, but 3 Internet Archive would have no way of knowing 4 5 whether a book had been checked -- whether a book 6 was being read in a particular library at any 7 given time; is that right? 8 A Correct. 9 And in effect, you would have no way of 10 knowing whether the physical and digital copies of 11 the book were in circulation simultaneously, do 12 you? 13 MR. GRATZ: Objection to form. 14 THE WITNESS: I'm not clear on the 15 question. 16 BY MS. MCNAMARA: 17 Internet Archive would have no way to know 18 whether the physical and digital copies of a book 19 were in circulation simultaneously; isn't that 20 right? 21 MR. GRATZ: Objection to form. 2.2 THE WITNESS: Correct. 23 BY MS. McNAMARA: 2.4 During the time that you've been director of Open Libraries, has Internet Archive taken any 25

Page 175 action against a library that did not suppress 1 circulation properly? 3 A No. Are you familiar with the term "reserve 4 5 shelves"? Does that mean something different than noncirculating reference collections? 6 7 MR. GRATZ: Objection, compound, form. 8 THE WITNESS: Yes, I'm familiar with 9 course reserves. 10 BY MS. McNAMARA: Q And -- well, I didn't say course reserves. 11 12 When I reference the term "reserve 13 shelves," what does that mean to your mind? 14 A The term "reserve shelves" doesn't mean 15 anything to me. 16 Q So the only way you understand that term 17 is "course reserve shelves"? 18 A Yes. 19 O Explain to me. What does course reserve 20 shelves mean? 21 A Course reserves are in an academic library where a faculty member will select a book 2.2 23 from -- to be used in a class and ask the library 24 to hold that book out of circulation but on the --25 on the reserve -- the course reserves system and

Page 177 Complete an online form. 1 What's involved in that online form? Q 3 Basic contact information including e-mail address. 4 5 Q Anything else? I'm not familiar with the form. 6 7 Are there any geographic limitations on 8 signing up? 9 Α No. 10 So someone could sign up from anywhere in 11 the world? 12 Α Yes. 13 So once a user is signed up for an 14 archive.org account, do they need to do anything 15 else in order to be able to borrow books from the 16 lending library? 17 A No. 18 Now, when a book is checked out from the 19 lending library, is there a default loan period? 20 MR. GRATZ: Objection to form. 21 THE WITNESS: Yes. Our default loans are 2.2 one-hour loans. 23 BY MS. McNAMARA: 2.4 And they didn't always -- the default loan 25 was not always one hour; isn't that right?

Page 178 1 Correct. When was it changed to one hour? That change was made in June of 2020. 3 Α Why was it made? 4 5 There were two primary reasons. One was after observing how our users were 6 7 interacting with our lending library and also 8 following the lead of the HathiTrust Digital 9 Library which implemented one-hour loans for their 10 collection at about the same time. 11 Tell me about following how users use. 12 How did that inform the decision to change 13 the default period to one hour? 14 Engineers at the Internet Archive did a 15 study to look at borrowing patterns for our 16 collection and determined that the majority of our 17 users were in and out of the book in less than an 18 hour, in most cases less than 15 minutes. 19 Was the decision to move to default one 20 hour informed in any way by the lawsuit that was 2.1 filed in this action? 22 Α No. 23 MR. GRATZ: Objection. 2.4 BY MS. McNAMARA: 2.5 Pardon me?

Page 179 A No. 1 You're aware, are you not, that this 3 action was commenced in approximately the beginning of June 2020? 4 5 A Yes. Q And this change occurred in June 2020, 6 7 shortly after the action was commenced; is that 8 right? 9 A Yes. 10 Prior to the default, one-hour loan, what 11 was the previously default? 12 A Fourteen days. 13 So back on the one-hour loan, when a user 14 borrows a book for one hour, can it renew the loan 15 after the hour has expired? 16 Yes. 17 Is there any limit to the number of 18 consecutive times a user can renew a one-hour 19 loan? 20 A I don't know. 21 Q Are there any circumstances in which a 2.2 user can borrow a book for more than one hour? 23 Yes. If we have additional copies of --24 additional digital copies of the book, then those additional copies are available for a 14-day loan. 25

Page 204 that correct? 1 Α Yes. 3 Q Okay. So if a user goes to archive.org, can they do a data search for, let's say the 4 5 Gettysburg Address across the millions of books 6 that are available on the platform? 7 A Yes. And do you -- do you know how that works? 8 9 A No. 10 Do you have any information as to what 11 percentage of users engage in data or text mining? 12 Α No. 13 Do you have any knowledge as to whether 14 it's more than 1 percent? 15 Α I don't know. 16 Do you -- do you know whether Internet 17 Archive has information as to what percentage of 18 users engage in data or text mining? 19 I don't know. Α 20 You were designated to testify on behalf 21 of the Internet Archive concerning data and text 2.2 mining. So when you say you don't know, are you 23 stating that no one at Internet Archive has 24 information on the percentage of users who engage 25 in text mining?

Page 205 MR. GRATZ: Objection to form. 1 2. think that misstates the topic a little bit. 3 But you can answer the question. THE WITNESS: I know about specific data 4 5 mining uses. I don't know about percentage and numbers across the Internet Archive user 6 7 population. BY MS. McNAMARA: 8 9 Q So my question, Mr. Freeland, is, do you 10 know whether Internet Archive has data concerning 11 the percentage of uses -- percentage of users who 12 engage in text mining? 13 MR. GRATZ: Objection --14 BY MS. McNAMARA: 15 Q Not whether you know it personally, but 16 whether Internet Archive has that information. 17 MR. GRATZ: Objection, outside the scope 18 of the noticed topics, form. 19 You can answer. 20 THE WITNESS: I don't know. 21 MS. McNAMARA: I'm reading into the 2.2 record, so it's clear, the topic that was agreed 23 that Mr. Freeland would be prepared to testify to, 24 and it is as follows: 25 "The Internet Archive will designate Chris

Page 206 Freeland to testify to users' reasons for 1 borrowing books on Open Library, as well as the Internet Archive's contention that its lending 3 library is used by data scientists to do 4 5 computational analysis of texts." BY MS. McNAMARA: 6 7 So with that preamble, Mr. Freeland, I ask 8 the question again: 9 Do you have any information as to the 10 percentage of users of the Internet Archive 11 platform that engages in computation analysis of 12 text? 13 MR. GRATZ: Objection, outside the scope 14 of the noticed topics. THE WITNESS: I know about individual 15 16 research projects. I don't know about number or percent across the user population. 17 18 BY MS. McNAMARA: 19 Okay. Tell me about what you know about 20 individual research projects. 21 I know of a couple of -- I know of two 2.2 data mining projects that come to mind. 23 The first is a project that I previously 24 used to work on, the Biodiversity Heritage

Library, which was analyzing the scientific texts

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at the Internet Archive to extract out all of the scientific names published within books, so that scientists could have a names-based index to literature.

Q Okay. On that particular project that you've just identified, who was engaged in that, to your knowledge?

A So that was the member libraries of the Biodiversity Heritage Library for which I used to be the technical director.

- Q And do you know how many members there are?
- A Dozens. I don't know the exact number today.
  - Q It's under a hundred, though; is it not?
  - A I believe so, yes.

2.2

Q That was one example that you were aware of concerning a computation analysis of the text.

You said there was a second example you were aware of.

A Yes, we have a -- there was another user who was compiling an Isaac Asimov bibliography and was searching through relevant texts -- searching -- trying to find occurrences of Asimov's name for his bibliography.

Page 208 Q And was he successful in that endeavor, to 1 2 your knowledge? 3 A Yes, we wrote a blog post about his research. 4 5 Q Are you aware of any other users other 6 than the members of the Biodiversity Directive and 7 its single user who was doing research on Isaac 8 Asimov? Do you know of any other users of Open 9 Library that have engaged in computational 10 analysis of texts? 11 MR. GRATZ: Objection to form. 12 THE WITNESS: There are other users. I 13 believe the academic who comes to mind, I believe 14 her name is Laura Gibbs. She is also compiling a -- it's a bibli- --15 16 BY MS. MCNAMARA: 17 Q And how were you aware of Ms. Gibbs' 18 compilation? 19 A Notices -- messages on Twitter for use of our collection. 20 2.1 Q Okay. So that's a third person. Do you 2.2 know of any other --23 MR. GRATZ: Objection to form. 2.4 THE WITNESS: Those are the ones that come 25 to -- readily come to mind.

Page 221 1 endorse; is that right? That's not accurate. MIT Press did endorse the statement. 3 MS. McNAMARA: Let's have marked as 4 5 Plaintiffs' Exhibit 283, tab 188. 6 MR. MAZUREK: Get that up. 7 MS. McNAMARA: Actually, this is not the 8 document I was looking for. So let's take that 9 down. That is... 10 MR. MAZUREK: It has not been introduced, 11 so we're good. 12 MS. McNAMARA: I'll have to find -- and I 13 apologize for the confusion. 14 BY MS. McNAMARA: 15 Setting aside speaking to some of the 16 library partners, did the Internet Archive receive 17 any negative feedback on its implementation of the National Emergency Library? 18 19 A Yes. 20 Tell me about that. 21 There were op-eds in the Washington Post 2.2 and elsewhere about the National Emergency 23 Library. 2.4 O Other than the Washington Post and other 25 op-eds, did the Internet Archive receive direct

Page 222 1 communication from authors, publishers, groups, concerning the National Emergency Library? 3 Α Yes. Tell me about what you know about that. 4 5 There were a number of people who objected Α 6 to the National Emergency Library. 7 And what reasons, if any, were given as to 8 why people objected to the National Emergency 9 Library? 10 There were a variety of reasons. 11 Tell me any reasons that you can recall? Q 12 There were copyright concerns. 13 What copyright concerns were brought to 14 the attention of Internet Archive concerning the 15 National Emergency Library? 16 Authors stating their concern about the 17 copyright and the National Emergency Library. 18 Besides authors, did publishers express 19 concern? 20 Yes. Α 21 And were -- certain organizations 2.2 expressed concerns, author or publisher 23 organizations? 2.4 A Yes. And were their concerns similar, that they 25

Page 223 believed this was perhaps not followed -- was not 1 consistent with copyright law, the National 3 Emergency Library? Yes. 4 Α 5 And so just so that it's clear what 6 happened when Internet Archive implemented the 7 National Emergency Library, it did away with wait 8 lists; is that correct? 9 A Correct. 10 And it allowed -- and so it in effect did 11 away with the one-to-one ratio; is that not right? 12 A Correct. 13 Are you aware whether there was any 14 maximum number of concurrent users put into the 15 system during the National Emergency Library? 16 Yes. 17 And what was the maximum number that was 18 put into the system that -- a book -- a number of 19 people that could check out the same book? 20 10,000. Α 21 So do you know why the National Emergency 2.2 Library was implemented? 23 Α Yes. 2.4 0 Why? 25 To respond to the total shutdown of the

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educational and library systems in the United
States and the world.

Q And it was intended to facilitate students
and teachers and others to have access to books
that they were otherwise shut out from; is that
right?

A Correct.

Q Was the system designed in such a way that
it was -- that users were limited to students or
teachers?

A No.

Q So someone could just be, you know, in
their home and wanting to read Huckleberry Finn or

Catcher in the Rye and could check it out without a wait list; isn't that right?

A Yes.

2.2

2.4

Q And the National Emergency Library was in no way consistent with the principles of controlled digital lending, was it?

MR. GRATZ: Objection to form.

THE WITNESS: The National Emergency
Library had all of the controls of controlled
digital lending except the owned-to-loan ratio.
BY MS. McNAMARA:

Q And I believe we've previously established

Page 225 that the owned-to-loan ratio was perhaps the most 1 critical component to controlled digital lending; 3 isn't that right? A Yes. 4 5 Let me show you a document. It may have 6 been previously marked. 7 MS. McNAMARA: So, Carl, correct me if 8 I'm... 9 If it has, that -- that's at tab 82. 10 MR. MAZUREK: One sec. I don't believe 11 it's previously been marked, so I can introduce 12 it. 13 Should be in your folders as Exhibit 283. (Plaintiffs' Exhibit 283 is introduced for 14 15 the record.) 16 BY MS. MCNAMARA: 17 Q Mr. Freeland, this appears to be an e-mail 18 dated March 24th, 2020, from Lila Bailey to CDL 19 Policy. Do you see that? 20 A Yes. 21 Q Do you have an understanding as to what 2.2 the list of people is that -- is meant by CDL 23 policy? 24 A Generally. I don't know all the list of 25 the members.

Page 242 Mr. Freeland, when you received this e-mail, not 1 what Ms. Bailey intended by writing it. I'm asking you as a recipient, how did you 3 understand this? 4 5 I don't recall. As you sit here today, do you have an 6 7 understanding as to the fact that access was not 8 limited in the National Emergency Library to --9 only to people directly impacted by COVID-19? 10 MR. GRATZ: Objection to form. 11 THE WITNESS: There were no limitations to 12 access to the National Emergency Library. 13 BY MS. McNAMARA: 14 So in order to access the National 15 Emergency Library during its tenure, someone 16 didn't need to certify that they were directly 17 impacted by COVID-19, did they? 18 Α No. 19 Ms. Bailey is also indicating that the 20 reason she -- the Internet Archive is implementing 21 this opt-out policy is to address authors who 2.2 think that their sales might be impacted. 23 Do you see that? 2.4 A Yes. 25 Did you have an understanding that

Page 250 digital lending? 1 MR. GRATZ: Objection to form. Also 3 outside the scope of the noticed topics. MS. McNAMARA: I don't agree with that, 4 5 but --MR. GRATZ: I'm happy to discuss it off 6 7 the record. We've designated somebody else on 8 takedowns. 9 MS. McNAMARA: This isn't takedown. This 10 is controlled digital lending. BY MS. MCNAMARA: 11 12 Q Do you know, Mr. Freeland, whether if --13 when Internet Archive complied, if they did, with 14 demands to take works out of the National 15 Emergency Library, whether they also removed those 16 works from Open Library? 17 MR. GRATZ: Same objection. 18 THE WITNESS: When books were taken out of 19 the National Emergency Library, they were not 20 taken out of controlled digital lending. 2.1 BY MS. McNAMARA: 2.2 Q Thank you. 23 And was that something made explicit, to 24 your knowledge, to the people demanding that their 2.5 books be removed?

Page 255 1 with our publishing partners. Q And you believe that was an error; is that 3 right? Yes. 4 Α 5 Do you know whether -- are you familiar with the organization Authors Alliance? 6 7 Α Yes. 8 And Brewster Kahle is an adviser to the 9 Authors Alliance; isn't that right? 10 A I don't know. Do you -- are you aware that Pam Samuelson 11 12 is on the board of the Authors Alliance? 13 A I don't know. 14 Do you know who Pam Samuelson is? 15 Α Yes. 16 Who is she? 0 17 She's a faculty member at UC Berkeley. A 18 And to your knowledge, has the 19 Authors Alliance often supported the Internet Archive? 20 21 A Generally, yes. 2.2 But it didn't support the National 23 Emergency Library, did it? 2.4 Not to my knowledge. 25 MS. McNAMARA: Let's have marked tab 211.

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of that. So I apologize for that confusion. I don't know why the system -- they need different coding so that it goes in the right place.

So, Mr. Freeland, this is Plaintiffs' Exhibit 292, which appears to be a template form for a scanning agreement.

Have you seen this document before?

MR. GRATZ: I'm going to object while we are on the topic of making our record.

In our response to the 30(b)(6) topics, we said expressly that Internet Archive objects to the inclusion of digitization agreements that are unrelated to the Internet Archive's lending library as irrelevant as part of our objections and responses to this topic which were served on September 1, 2021, and so we don't regard this as being one of documents that is within the scope of what this witness is designated on. You are welcome to go ahead and ask questions about it and make whatever record you feel like you need to.

BY MS. McNAMARA:

Q Mr. Freeland, do you know -- you're aware, are you not, that Internet Archive has entered into scanning agreements with libraries to scan

various books; is that correct?

2.2

Page 297 A Yes. 1 And as a result of those scanning 3 agreements, Internet Archive receives digital or creates digital copies of the works that are 4 5 scanned; isn't that right? 6 A Yes. 7 And the digital copies that are obtained 8 as a result of the scanning agreement, are those 9 works included on archive.org? 10 MR. GRATZ: Objection to form. 11 THE WITNESS: Yes. 12 BY MS. McNAMARA: 13 Q So if I'm understanding correctly, as a 14 result of the scanning agreements that have been 15 entered into by Internet Archive, the scanned 16 digital works are amongst the holdings held by 17 Internet Archive and counted in the overlap --18 not -- counted in the Open Libraries; is that 19 right? 20 MR. GRATZ: Objection to form. 21 THE WITNESS: That is not accurate. 2.2 BY MS. McNAMARA: 23 Q Explain to me how it's not accurate. 2.4 So our overlap only runs against the books 25 that the Internet Archive has acquired and that we

Page 298 1 digitized. Q So the -- explain that to me, when you say 3 "only against works that have been acquired." A We only run our overlaps against the 4 5 collection of books that the Internet Archive has acquired and digitized and make available through 6 7 controlled digital lending. 8 Q And the digital copies of works that are created as a result of the -- as the scanning 9 10 agreements entered into with libraries, do you not 11 consider those acquired works? 12 MR. GRATZ: Objection, vague. 13 You can answer. 14 THE WITNESS: No, those books have not 15 been acquired. 16 BY MS. MCNAMARA: 17 So are any of those books included on 18 archive.org for lending by users? 19 MR. GRATZ: Objection to form. 20 THE WITNESS: Can you -- can you clarify 21 the question, please? 2.2 BY MS. McNAMARA: 23 O Yes. 2.4 In the digital copies that are obtained by 2.5 Internet Archive as a result of the scanning

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agreements entered into by Internet Archive, are any of those scanned digital works included for lending on archive.org?

A No, those books are not included in lending.

Q What happens to those books, those digital copies?

A Those books are available on archive.org, but they are not part of our lending system.

Q So a user going to archive.org could not download or check out a book that had been obtained through a scanning agreement; is that right?

MR. GRATZ: Objection to form.

THE WITNESS: They could not check them

## BY MS. McNAMARA:

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Q And what -- how is the system put in place so that there is a distinction between books obtained through scanning and books acquired for checking out? Mechanically, how is that established?

A We have had a field in our metadata that's called the Internet Archive Boxid. I think its tag is IA Boxid. And that indicates that it is a

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book that the Internet Archive owns in physical form, and then that book is made available in lending.

Q Thank you.

And if it doesn't have that IA Boxid, it cannot be lent to a user; is that right?

A Correct.

Q So is that a -- is that a condition of the process of the scanning agreement, that those books are never included in lending by the Internet Archive?

A I am not clear on the question.

Q And I don't think it was very clear, so

I'm not surprised that you're not clear.

Is that a -- is that an express provision, to your knowledge, in the agreement reached with libraries that agree to scanning, that those scanned books will not be made available for lending?

A Yes.

2.2

2.4

Q Can users of Internet Archive, if they visit archive.org, look at the books or read the books but they can't check them out?

MR. GRATZ: Objection to form.

THE WITNESS: Yes.

Page 301 1 BY MS. McNAMARA: So the only distinction is that the books 3 obtained -- the digital eBooks obtained as a result of the scanning agreement cannot be checked 4 5 out, but they can be read by a user on Internet or 6 archive.org; is that right? 7 MR. GRATZ: Objection, lacks foundation, 8 vague in its use of the term "digital eBooks." 9 Form. 10 You can answer. 11 THE WITNESS: So the only books that are 12 available for checkout and borrowed through 13 controlled digital lending are the books that the 14 Internet Archive has acquired and digitized. BY MS. McNAMARA: 15 16 Q But I guess I was asking a little 17 different question. 18 I understand that they're not available 19 for checkout or lending, but they are available to 20 be read by visitors to archive.org; isn't that 21 right? 2.2 MR. GRATZ: Objection, vague in its use of 23 the term "they." 2.4 THE WITNESS: Yes. 25

Page 302 BY MS. McNAMARA: 1 And the practices you've just been 3 describing, these are the current practices followed by Internet Archive? 4 5 Α Yes. 6 Do you know whether Internet Archive has 7 always made the distinction that you've described 8 that books are not available for lending if they 9 were simply obtained through the -- through 10 scanning agreements? 11 MR. GRATZ: Objection, vague in its use of 12 the word "obtained," lacks foundation. 13 You can answer. 14 THE WITNESS: I don't know. 15 BY MS. McNAMARA: 16 So during the time that you've been 17 employed by Internet Archive, have you ever been 18 aware of books that were digital copies that were 19 obtained as a result of a scanning agreement? 20 Have you ever been aware whether those books were 21 able to be checked out on archive.org? 2.2 A I'm not sure. 23 MR. GRATZ: Objection, vague as to time, 2.4 form. 25 THE WITNESS: I'm not sure.

Page 303 1 BY MS. McNAMARA: You're not. 3 If you would direct your attention to this agreement that has been marked as Exhibit 292, 4 5 this form agreement? 6 Α Yes. 7 Under Services, if you look at the second 8 paragraph under Services, the last sentence, it 9 reads: 10 Internet Archive will provide one digital 11 copy of each digitized item (a "Digital Copy") to 12 the library and will retain additional digital 13 copies. 14 Do you see that? 15 Α Yes. 16 Do you know what Internet Archive does 17 with the retained additional copies? MR. GRATZ: Objection to form. 18 19 THE WITNESS: I don't know. 20 BY MS. McNAMARA: 2.1 One copy is presumably posted on 2.2 archive.org; is that right? 23 MR. GRATZ: Objection to form. 2.4 THE WITNESS: Yes. 25

Page 304 BY MS. McNAMARA: 1 Q And it goes on the -- two sentences later, 3 it says: The digital copies will be freely 4 5 accessible and downloadable from Internet Archive via HTTP, Torrent or a similar method. 6 7 Do you see that? 8 A Yes. 9 What do you understand the use of 10 "downloadable" in that sentence to mean if, as 11 you've testified, these works are not available 12 for lending? 13 A So our partner libraries are scanning 14 materials that are in the public domain. So they are not available for lending, and they're made 15 16 available for download. 17 Q So is it your understanding that the 18 scanning agreements only apply to public domain 19 material? 20 MR. GRATZ: Objection, vague. 21 THE WITNESS: No. 2.2 BY MS. McNAMARA: 23 So if the scanned digital copies were 24 works that were not in the public domain per this 25 agreement, would those copies be accessible and

Page 305 downloadable from the Internet Archive? 1 MR. GRATZ: Objection to form. 3 THE WITNESS: No. BY MS. McNAMARA: 4 5 Q And how do you know that? 6 A Because books that are in copyright are 7 only made available through controlled digital 8 lending, and those are only books that the 9 Internet Archive owns and is digitized. 10 Q Thank you. Let me see. 11 MS. McNAMARA: Can we put in, if it hasn't 12 been marked before, tab 33, please. 13 MR. MAZUREK: Should be in your folders as Exhibit 293. 14 15 (Plaintiffs' Exhibit 293 is introduced for 16 the record.) 17 BY MS. McNAMARA: 18 Q Mr. Freeland, this is an e-mail from 19 Brewster Kahle to Robert Newland dated 20 November 24, 2016, and I appreciate that this 21 predates your time with the Internet Archive, but I'm -- given your experience and knowledge, I was 2.2 23 wondering if you could help me to understand what 24 is being said here. At the beginning Mr. Kahle is 25 saying:

Page 314 1 MR. GRATZ: And, Liz, you can keep going. 2. I'm not stopping you. But I do want to note that 3 we're past 7 hours. MS. McNAMARA: Oh, we are? I apologize. 4 5 I didn't think we were. 6 Well, I'm almost done. I thought I had 7 plenty of time. But anyway, thank you, Joe. I am 8 really almost done. I appreciate your courtesy. 9 MR. MAZUREK: I'm introducing this as 10 Exhibit 295, and it will -- should be in your 11 folders now. 12 (Plaintiffs' Exhibit 295 is introduced for 13 the record.) 14 BY MS. McNAMARA: 15 Q Mr. Freeland, do you see what's been 16 marked as Plaintiffs' Exhibit 295, which is a 17 listing of a book that's available for checkout on 18 Open Libraries today? And the book is called The 19 Passmores in America: A Quaker family through six 20 generations. 21 Do you see that? 2.2 A Yes. 23 Q And the publication date is 1992. 2.4 Do you see that? 25 A Yes.

Page 315 Q You wouldn't expect this book to be in the 1 2 public domain, would you? MR. GRATZ: Objection, calls for a legal 3 conclusion, lacks foundation. 4 5 You can answer. THE WITNESS: I don't know. 6 7 BY MS. McNAMARA: 8 Q Do you see for this book the digitizing 9 sponsor was Boston Public Library and the 10 contributor was the Boston Public Library? 11 A Yes. 12 And do you see that the publisher is 13 Lewiston, New York, E. Mellen Press? 14 MR. GRATZ: Objection to form. 15 THE WITNESS: Yes. BY MS. MCNAMARA: 16 Does this appear to be another book that 17 18 is available for lending on the Internet Archive 19 that was scanned -- that was obtained -- the 20 digital copy was obtained by scanning? 21 MR. GRATZ: Objection to form. 2.2 THE WITNESS: Yes. 23 BY MS. McNAMARA: 24 So does this help you reconsider whether 25 it is in fact true that books that are obtained by

Page 316 the Internet Archive via a scanning agreement are 1 never included in digital lending? MR. GRATZ: Objection, vague in its use of 3 the term "scanning agreement." Objection to form. 4 5 You can answer. THE WITNESS: I'm not clear on the 6 7 question. 8 BY MS. McNAMARA: 9 Q Let me rephrase it. 10 Does this help you to realize that books 11 may well be available for lending on archive.org 12 that were obtained via scanning agreement versus 13 owned by Internet Archive? 14 MR. GRATZ: Objection to form, vague in 15 its use of the term "scanning agreements." 16 THE WITNESS: Yes. 17 MS. McNAMARA: Okay. Thank you very much. 18 I very much appreciate your time today and you 19 answering all these questions. 20 And, Joe, I appreciate you allowing me to 21 inadvertently go over seven hours. 2.2 So I wish everybody a great weekend and 23 wonderful holidays, and we will be back in touch. 24 But thank you very much, Mr. Freeland. 25 MR. GRATZ: Very good. I just have a few

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CERTIFICATE OF COURT REPORTER - NOTARY PUBLIC

I, Cynthia J. Conforti, Certified

Shorthand Reporter No. 084-003064, CSR, CRR, and a Notary Public in and for the County of Cook, State of Illinois, the officer before whom the foregoing deposition was taken, do hereby certify that the foregoing transcript is a true and correct record of the testimony given; that said testimony was taken by me stenographically and thereafter reduced to typewriting under my direction; that reading and signing was requested; and that I am neither counsel for, related to, nor employed by any of the parties to this case and have no interest, financial or otherwise, in its outcome.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this 4th day of January, 2022.

Cynthia J. Conforti

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